

Summary of Major Revisions to the 2009 Stormwater Pollution Prevention Manual

The 2009 Stormwater Pollution Prevention Manual (SPPM) is being updated to better inform businesses and residents what they can do to protect stormwater, surface water, and groundwater quality in unincorporated King County. The updates are also required by King County's Municipal Stormwater Permit in order to be equivalent with Volume IV of Ecology's 2014 Stormwater Management Manual for Western Washington.

Overall Changes

- Added a detailed table of contents.
- Updated the wording of the manual to more clearly convey the details of each BMP Activity and Information Sheet.
- Changed the terminology to now refer to BMP Activity Sheets and Information Sheets.
- The overall format has been changed to a more technical looking document, with the intention of creating more user-friendly layout and photographs for the individual BMP Activity Sheets and Information Sheets to be posted on the website and handed out. Users of the BMP information in the manual normally get BMP information tailored to their activity rather than using the entire manual.

Chapter 1 - Overview

- Added section that lists activities that may require structural improvements e.g. roofs, berms, cement pads, etc.
- Eliminated blank graph sheet.
- Eliminated Alternative Best Management Practices (BMP) Request because this formal process is not necessary for approval.

Chapter 2 – Stormwater Problems

- Added more descriptive information on stormwater drainage systems to better explain the difference between stormwater drainage systems and sewer systems.

Chapter 3 – Commercial Stormwater BMPS

- Updated BMP Activity Worksheet with deleted and new BMPs.
- A-1 - REQUIRED BEST MANAGEMENT PRACTICES FOR ALL COMMERCIAL PROPERTIES WITH COMMERCIAL ACTIVITIES Clarified applicability to commercial activities as opposed to commercial properties. Added language requiring that illicit connections be immediately removed, permanently plugged or re-plumbed.
- A-2 - OUTDOOR STORAGE OF LIQUID MATERIALS IN STATIONARY TANKS Added requirement for small, gravity-fed farm fuel tanks to distinguish them from stationary fueling operations (gas stations) so they don't have to implement all the required structural improvements. The BMPs that applied to mobile fueling operations were removed and placed into a new BMP: A-49 MOBILE FUELING OF

VEHICLES AND HEAVY EQUIPMENT because they were often overlooked in the previous location.

- A-13 - VEHICLE WASHING AND STEAM CLEANING Added language referring vessel washing to A-30. Added language stating that infiltration in Critical Aquifer Recharge Areas may not be allowed. Clarification of existing requirement.
- A-17 - STATIONARY FUELING OPERATIONS Updated this BMP to specify requirements for stationary fueling stations built after July, 1995 and to apply only to stationary fueling operations. Mobile fueling operations BMPs now have a new Activity Sheet: A-49 MOBILE FUELING OF VEHICLES AND HEAVY EQUIPMENT.
- A-19 CONCRETE AND ASPHALT PRODUCTION AND RECYCLING Added recycling operations to this BMP to address concrete recycling operations in addition to concrete production.
- A-26 LANDSCAPING ACTIVITIES AND VEGETATION MANAGEMENT Added information about Integrated Pest Management (IPM). Clarification of existing language.
- A-28 DEMOLITION OF BUILDINGS Added requirement for handling and disposal of waste and demolition debris for consistency with Ecology's requirement.
- A-33 SWIMMING POOL AND SPA CLEANING AND MAINTENANCE Updated to be consistent with the Residential BMP and with Ecology regulations
- A-42 POTABLE WATER LINE FLUSHING, WATER TANK MAINTENANCE AND HYDRANT TESTING Updated to add specific residual chlorine amounts and approval process to meet Ecology requirements.
- A-43 USE OF SOIL AMENDMENTS ON CONSTRUCTION SITES Eliminated BMP because it does not apply to existing commercial activities. BMPs for construction sites are found in the Surface Water Design Manual.
- Added four new BMP Activity Sheets:
 1. A-46 COLOR EVENTS These are games, races or celebrations where colored dyes or powders are thrown on and by participants. This BMP provides information for event planners and site managers so they can prevent stormwater and surface water pollution.
 2. A-48 OLDER FUELING OPERATIONS This applies to stationary fueling operations constructed prior to July, 1995. Includes language that refers farm and agricultural operations with above ground fueling tanks to BMP A-2 OUTDOOR STORAGE OF LIQUID MATERIALS IN STATIONARY TANKS to distinguish from commercial and fleet fueling operations.
 3. A-49 MOBILE FUELING OF VEHICLES AND HEAVY EQUIPMENT. These BMPs were previously found in the former Fueling Operations Activity Sheet but were often over looked.

Chapter 4 – Residential Stormwater BMPs

- Added information to indicate that commercial activities occurring on single family residential properties must implement the commercial BMP to be consistent with Ecology requirements.
- Updated BMP for Residential Swimming Pool and Hot Tub Maintenance to be consistent with the commercial BMP and with Ecology regulations.

Chapter 5 – Information Sheets

- Removed the Illicit Connection BMP Info Sheet and expanded the BMP Activity A-1 Sheet regarding illicit connections.
- Removed the Processing Requirements for the Use of Soil Amendments on Construction Sites Info Sheet. This was eliminated because it is not a BMP but a construction requirement and doesn't belong in the SPPM.
- Updated the CATCH BASIN INSERT INFORMATION and the OIL/WATER SEPARATOR INFORMATION sheets for clearer wording and consistency with the Surface Water Design Manual.
- Added a SPILL RESPONSE AND CLEANUP PLAN INFORMATION SHEET An example template is provided for businesses to use when they need to create a spill response and clean-up plan.
- Updated contact information in the DISPOSAL INFORMATION SHEET.
- Eliminated the Integrated Pest Management BMP Info Sheet. IPM information is in A-26 LANDSCAPING ACTIVITIES AND VEGETATION MANAGEMENT where the
- Updated the Pave Area and Slope to Holding Tank BMP Info Sheet to become the CONTROLLING AND COLLECTING CONTAMINATED RUNOFF INFORMATION SHEET.

Chapter 6 – Technical Assistance

- Updated contact information.